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RAW SEQUENCE LISTING

DATE: 06/11/2002

PATENT APPLICATION: US/10/081,309

TIME: 14:59:36

Input Set : A:\20859SeqListing.txt

Output Set: N:\CRF3\06112002\J081309.raw

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3 <110> APPLICANT: Hoffmann-La Roche Inc.
 5 <120> TITLE OF INVENTION: PEG Conjugates of NK4
 7 <130> FILE REFERENCE: 20859
 9 <140> CURRENT APPLICATION NUMBER: US 10/081,309
 C--> 10 <141> CURRENT FILING DATE: 2002-06-04
 12 <160> NUMBER OF SEQ ID NOS: 2
 14 <170> SOFTWARE: PatentIn version 3.1
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 1344
 18 <212> TYPE: DNA
 19 <213> ORGANISM: homo sapiens
 21 <400> SEQUENCE: 1
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 26 aatagatgta ctaggataa aggacttcca ttcaattgca aggcctttgt ttttgataaa 180
 28 gcaagaaaac aatgcctctg gtcccccttc aatagcatgt caagtggagt gaaaaaagaa 240
 30 tttggccatg aatttgacct ctatgaaaac aaagactaca ttagaaactg catcattggt 300
 32 aaagacgca gctacaaggg aacagtatct atcactaaga gtggcatcaa atgtcagccc 360
 34 tggagttcca tgataccaca cgaacacagc tttttgcctt cgagctatcg gggtaaagac 420
 36 ctacaggaaa actactgtcg aaatcctcga ggggaagaag ggggacctg gtgtttcaca 480
 38 agcaatccag aggtacgcta cgaagtctgt gacattcctc agtgttcaga agttgaatgc 540
 40 atgacctgca atggggagag ttatcgaggt ctcatggatc atacagaatc aggcaagatt 600
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 44 gacaagggct ttgatgataa ttattgccgc aatcccgatg gccagccgag gccatggtgc 720
 46 tatactcttg accctcacac ccgctgggag tactgtgcaa ttaaaacatg cgctgacaat 780
 48 actatgaatg aactgatgt tcctttggaa acaactgaat gcacccaagg tcaaggagaa 840
 50 ggctacaggg gcaactgtcaa taccatttgg aatggaattc catgtcagcg ttgggattct 900
 52 cagtatcctc acgagcatga catgactcct gaaaatttca agtgcaggga cctacgagaa 960
 54 aattactgcc gaaatccaga tgggtctgaa tcacctggt gttttaccac tgatccaaac 1020
 56 atccgagttg gctactgtc ccaaattcca aactgtgata tgtcacatgg acaagattgt 1080
 58 tatcgtggga atggcaaaaa ttatatgggc aacttatccc aaacaagatc tggactaaca 1140
 60 tgttcaatgt gggacaagaa catggaagac ttacatcgtc atatcttctg ggaaccagat 1200
 62 gcaagtaagc tgaatgagaa ttactgccga aatccagatg atgatgctca tggacctggt 1260
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 69 <210> SEQ ID NO: 2
 70 <211> LENGTH: 447
 71 <212> TYPE: PRT
 72 <213> ORGANISM: homosapiens
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 76 Gln Arg Lys Arg Arg Asn Thr Ile His Glu Phe Lys Lys Ser Ala Lys
 77 1 5 10 15
 80 Thr Thr Leu Ile Lys Ile Asp Pro Ala Leu Lys Ile Lys Thr Lys Lys

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81          20          25          30
84 Val Asn Thr Ala Asp Gln Cys Ala Asn Arg Cys Thr Arg Asn Lys Gly
85          35          40          45
88 Leu Pro Phe Thr Cys Lys Ala Phe Val Phe Asp Lys Ala Arg Lys Gln
89          50          55          60
92 Cys Leu Trp Phe Pro Phe Asn Ser Met Ser Ser Gly Val Lys Lys Glu
93 65          70          75          80
96 Phe Gly His Glu Phe Asp Leu Tyr Glu Asn Lys Asp Tyr Ile Arg Asn
97          85          90          95
100 Cys Ile Ile Gly Lys Gly Arg Ser Tyr Lys Gly Thr Val Ser Ile Thr
101          100          105          110
104 Lys Ser Gly Ile Lys Cys Gln Pro Trp Ser Ser Met Ile Pro His Glu
105          115          120          125
108 His Ser Phe Leu Pro Ser Ser Tyr Arg Gly Lys Asp Leu Gln Glu Asn
109          130          135          140
112 Tyr Cys Arg Asn Pro Arg Gly Glu Glu Gly Gly Pro Trp Cys Phe Thr
113 145          150          155          160
116 Ser Asn Pro Glu Val Arg Tyr Glu Val Cys Asp Ile Pro Gln Cys Ser
117          165          170          175
120 Glu Val Glu Cys Met Thr Cys Asn Gly Glu Ser Tyr Arg Gly Leu Met
121          180          185          190
124 Asp His Thr Glu Ser Gly Lys Ile Cys Gln Arg Trp Asp His Gln Thr
125          195          200          205
128 Pro His Arg His Lys Phe Leu Pro Glu Arg Tyr Pro Asp Lys Gly Phe
129          210          215          220
132 Asp Asp Asn Tyr Cys Arg Asn Pro Asp Gly Gln Pro Arg Pro Trp Cys
133 225          230          235          240
136 Tyr Thr Leu Asp Pro His Thr Arg Trp Glu Tyr Cys Ala Ile Lys Thr
137          245          250          255
140 Cys Ala Asp Asn Thr Met Asn Asp Thr Asp Val Pro Leu Glu Thr Thr
141          260          265          270
144 Glu Cys Ile Gln Gly Gln Gly Glu Gly Tyr Arg Gly Thr Val Asn Thr
145          275          280          285
148 Ile Trp Asn Gly Ile Pro Cys Gln Arg Trp Asp Ser Gln Tyr Pro His
149          290          295          300
152 Glu His Asp Met Thr Pro Glu Asn Phe Lys Cys Lys Asp Leu Arg Glu
153 305          310          315          320
156 Asn Tyr Cys Arg Asn Pro Asp Gly Ser Glu Ser Pro Trp Cys Phe Thr
157          325          330          335
160 Thr Asp Pro Asn Ile Arg Val Gly Tyr Cys Ser Gln Ile Pro Asn Cys
161          340          345          350
164 Asp Met Ser His Gly Gln Asp Cys Tyr Arg Gly Asn Gly Lys Asn Tyr
165          355          360          365
168 Met Gly Asn Leu Ser Gln Thr Arg Ser Gly Leu Thr Cys Ser Met Trp
169          370          375          380
172 Asp Lys Asn Met Glu Asp Leu His Arg His Ile Phe Trp Glu Pro Asp
173 385          390          395          400
176 Ala Ser Lys Leu Asn Glu Asn Tyr Cys Arg Asn Pro Asp Asp Asp Ala
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180	His	Gly	Pro	Trp	Cys	Tyr	Thr	Gly	Asn	Pro	Leu	Ile	Pro	Trp	Asp	Tyr
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184	Cys	Pro	Ile	Ser	Arg	Cys	Glu	Gly	Asp	Thr	Thr	Pro	Thr	Ile	Val	
185					435				440						445	

VERIFICATION SUMMARY

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date